

The invention claimed is:

1. A foot-operated controller comprising:
a substrate having a plurality of pressure sensors mounted at selected locations on the substrate to facilitate control of a controllable electromechanical device by application of pressure from selected parts of a foot to the sensors; and
a microprocessor for receiving input from the sensors and converting the sensor inputs into commands for the controllable electromechanical device.
2. The foot-operated controller of claim 1, further comprising a radio transmitter for converting pressure exerted on the sensors by various parts of a foot into control signals that are broadcast to a receiver and transmitted to an electromechanical device.
3. The foot-operated controller of claim 1, located on or within the insole of a shoe.
4. The foot-operated controller of claim 1, in which the microprocessor is hard-wired to the controllable electromechanical device.
5. The foot-operated controller of claim 1, wherein the microprocessor is located on the substrate.
6. A prosthetic system comprising:
a prosthetic device;
a foot-operated controller including a substrate having a plurality of pressure sensors mounted at selected locations on the substrate to facilitate control of the prosthetic device; and
a microprocessor for receiving input from the sensors and converting the sensor inputs into commands for the prosthetic device.
7. The prosthetic system of claim 6, wherein the prosthetic device is a prosthetic hand.

8. The prosthetic system of claim 6, further comprising a radio transmitter for converting pressure exerted on the sensors by various parts of a foot into control signals that are broadcast to a receiver and transmitted to an electromechanical device.
9. The prosthetic system of claim 6, located on or within the insole of a shoe.
10. The prosthetic system of claim 6, in which the microprocessor is hard-wired to the controllable electromechanical device.
11. The prosthetic system of claim 6, wherein the microprocessor is located on the substrate.